**Project 3: More Queries –**Reading from Multiple Table (relational)

**Due Date:**10/24/2021 11:59 pm

Make sure to read all of the following instructions before beginning.

[How to create a simple query platform to apply SQL statements](https://iu.instructure.com/courses/2013459/files/126919281?wrap=1) source is in the Student Resources folder

Download the [**Organ**](https://iu.instructure.com/courses/2013459/files/123570968?wrap=1) **Donation Database** (under the Resources tab).

* Sources:
  + Lecture [Three Part I](https://iu.instructure.com/courses/2013459/files/123570967?wrap=1), Part II, [Part III](https://iu.instructure.com/courses/2013459/files/123570990?wrap=1), [Part IV](https://iu.instructure.com/courses/2013459/files/123570969?wrap=1)
  + Internet: <http://www.w3schools.com/sql/default.asp>
* Save each query with the provided name by each query question.
* Save your work as LastName\_Project3 before submitting it.

*Important Note:*Remember submit the file ending with the extension **.accdb** and not your backup file.

**Query Problems:**

1. Display, full name (last name and first name together) of the patients who are waiting to have transplant surgery?

Save the query as **Q1TransplantPatients**

* 1. Display surgeons by the last name who starts to work, in the facility, before 1994

Save the query as **Q2Start94**

* 1. Display surgeons' last names with their total surgeries so far?

Save the query as **Q3#ofSurg**

4. Display all the patients with their last names, organ names who need a heart transplant

Save the query as **Q4HeartPatient**

* 1. Display each hospital with annual incomes and state if for only annual income is between 4,6 billion and 6,9 billion?

Save the query as **Q5Somelions**

* 1. Show how many patients are under 20 years old.

Save the query as **Q6Under20**

* 1. Display all the Patients’ last names in descending order along with their state.

Save the query as **Q7DescState**

* 1. Display, surgeons’ last names, first names, and their universities only from Indiana, Stanford, and Duke Universities?

Save the query as **Q8MdForThree**

9. Display the total number of organs donated for each organ with organ id and name if the total number of organs is greater than 3.

Save the query as **Q9MoreThan3**

1. Display the national rank of the Midwest region hospitals (Indiana, Ohio, etc.)?

Save the query as **Q10MidWestHosp**

**REQUIREMENTS: Checklist**

**1.** Each query must be correctly implemented and must run (-2 for each)

1. The result of a built-in function should be displayed under a meaningful field name.  (-2)
2. Submitted DB should include only the assigned queries, No extra queries or files on the DB (-1 points)
3. Naming Rules and conventions will be followed for the field names, queries, and database. (-2)